



SEQUENCE LISTING

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<120> NOVEL PEPTIDES AND PRODUCTION AND USE THEREOF

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<160> 121

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Lys

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<211> 13

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<213> Homo sapiens

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Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
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<210> 4

<211> 29

<212> PRT

<213> Homo sapiens

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Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
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<213> Homo sapiens

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Ala Ser Ala Gly Pro Leu Ile Gly Glu Ala Arg Glu Val Ala Arg
 20 25 30

Arg Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met
 35 40 45

Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 50 55 60

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<213> Homo sapiens

<400> 6

Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser Glu His Met Gln
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 20 25 30

Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro Leu Ile Gly Glu
 35 40 45

Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala Pro Pro Gln Gln
 50 55 60

Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr
 65 70 75 80

Phe Ser Ser Cys Lys
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Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
35 40 45
Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
50 55 60
Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
65 70 75 80
Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe
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Phe Trp Lys Thr Phe Ser Ser Cys Lys
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Arg

<210> 10
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Ala Thr Ala Ala
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 20 25 30

Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
 35 40 45

Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
 50 55 60

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Pro Pro Gln Gln Ser Ala Arg Arg
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<210> 16
 <211> 87
 <212> DNA
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 ttctggaaga ctttctctc ctgcaaa 87

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 cccctcatag gagaggaa gc tcgggaggtg gccaggcggc aggaaggcgc accccccag 120
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 tgcaaa 186

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 <213> Homo sapiens

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 tgcaaa 186

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 agtgccgggc cctcatagg agaggaagct cgggaggtgg ccaggcggca ggaaggcgca 180
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 ttctcctcct gcaaa 255

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 agtgccgggc cctcatagg agaggaagct cgggaggtgg ccaggcggca ggaaggcgca 180
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ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 180
 agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcggca ggaaggcgca 240
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<400> 25
 caggaaggcg cccccccca gcaatctgcg cgccgg 36

<210> 26
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 <212> DNA
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 ccctcatag gagaggaagc tcgggaggtg gccaggcgg 99

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 ataaggaaa 69

<210> 28
 <211> 60
 <212> DNA
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<210> 29
 <211> 264
 <212> DNA
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 ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 180
 agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcggca ggaaggcgca 240
 cccccccagc aatccgcgcg ccgg 264

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 <212> DNA
 <213> Homo sapiens

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Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
1 5 10

<210> 32

<211> 14

<212> PRT

<213> Rattus sp..

<400> 32

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 33

<211> 42

<212> DNA

<213> Rattus sp.

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ccctgcaaga acttcttctg gaaaaccttc tctctgtgca ag

42

<210> 34

<211> 42

<212> DNA

<213> Rattus sp.

<400> 34

gctggctgca agaacttctt ctggaagaca ttcacatcct gt

42

<210> 35

<211> 16

<212> PRT

<213> Homo sapiens

<400> 35

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10 15

<210> 36

<211> 14

<212> PRT

<213> Homo sapiens

<400> 36

Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
1 5 10

<210> 37

<211> 12

<212> PRT

<213> Homo sapiens

<400> 37

Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
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<210> 38

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 38

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
 1 5 10 15

Lys

<210> 39

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 1 5 10 15

<210> 40

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
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<210> 41

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

peptide

<400> 41

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
 1 5 10 15

<210> 42

<211> 14

<212> PRT

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<210> 43

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
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<210> 44

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 44

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 1 5 10 15

Lys

<210> 45

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
 1 5 10 15

<210> 46

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 46

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
 1 5 10

<210> 47

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 1 5 10 15

<210> 48

<211> 14

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<223> Description of Artificial Sequence: Synthetic peptide

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Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 1 5 10

<210> 49

<211> 12

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<223> Description of Artificial Sequence: Synthetic

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<210> 50

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<400> 50

Asp	Arg	Met	Pro	Cys	Lys	Asn	Phe	Phe	Trp	Lys	Thr	Phe	Thr	Ser	Cys
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Lys

<210> 51

<211> 15

<212> PRT

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<400> 51

Met	Pro	Cys	Lys	Asn	Phe	Phe	Trp	Lys	Thr	Phe	Thr	Ser	Cys	Lys
1					5				10				15	

<210> 52

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<400> 52

Cys	Lys	Asn	Phe	Phe	Trp	Lys	Thr	Phe	Thr	Ser	Cys	Lys
1					5				10			

<210> 53

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 53

Asp Arg Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 54

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Met Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 55

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 55

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 56

<211> 29

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 56

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
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<211> 29

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 57

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
1 5 10 15

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
20 25

<210> 58

<211> 29

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 58

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys Lys
20 25

<210> 59

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 59

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
20 25

<210> 60

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 60

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
 1 5 10 15

Cys Arg Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 61

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 61

Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
 1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 20 25

<210> 62

<211> 48

<212> DNA

<213> Homo sapiens

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48

<210> 63

<211> 42

<212> DNA

<213> Homo sapiens

<400> 63

atgccctgca ggaacttctt ctggaagacc ttctcctcct gc

42

<210> 64

<211> 36

<212> DNA

<213> Homo sapiens

<400> 64

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<210> 65

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<210> 67

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 67

tgcaaraact tcttctggaa gaccttctcc tcttgcaaa 39

<210> 68

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 68

gacagaatgc cctgcaaraa cttcttctgg aagaccttct cctcctgcaa a 51

<210> 69

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<210> 70

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 70

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39

<210> 71

<211> 51

<212> DNA

<213> Artificial Sequence

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<221> modified_base

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<223> a, t, c, g, unknown or other

<400> 71

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51

<210> 72

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<221> modified_base

<222> (36)

<223> a, t, c, g, unknown or other

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45

<210> 73

<211> 39

<212> DNA

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

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<221> modified_base

<222> (30)

<223> a, t, c, g, unknown or other

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 <222> (45)
 <223> a, t, c, g, unknown or other

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 <222> (36)
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 <222> (30)
 <223> a, t, c, g, unknown or other

<400> 76
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<210> 77
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<212> DNA
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<220>
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 <223> a, t, c, g, unknown or other

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 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
 <221> modified_base
 <222> (36)
 <223> a, t, c, g, unknown or other

<400> 81
 atgccctgca araacttctt ctggaagacc ttcacntcct gcaaa 45

<210> 82
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
 <221> modified_base
 <222> (30)
 <223> a, t, c, g, unknown or other

<400> 82
 tgcaaraact tcttctggaa gaccttcacn tcttgc 36

<210> 83
 <211> 87
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 83
 caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caaraacttc 60
 ttctggaaga ctttctcttc ctgcaaa 87

<210> 84
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 84
caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caaraacttc 60
ttctggaaga ccttctcctc ctgcaaa 87

<210> 85
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (78)
<223> a, t, c, g, unknown or other

<400> 85
caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caggaacttc 60
ttctggaaga ccttcacntc ctgcaaa 87

<210> 86
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (78)
<223> a, t, c, g, unknown or other

<400> 86
caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caggaacttc 60
ttctggaaga ccttcacntc ctgcaaa 87

<210> 87
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
 <221> modified_base
 <222> (78)
 <223> a, t, c, g, unknown or other

<400> 87
 caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caaraacttc 60
 ttctggaaga ccttcacntc ctgcaaa 87

<210> 88
 <211> 87
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
 <221> modified_base
 <222> (78)
 <223> a, t, c, g, unknown or other

<400> 88
 caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caaraacttc 60
 ttctggaaga ccttcacntc ctgcaaa 87

<210> 89
 <211> 84
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 89
 caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caaraacttc 60
 ttctggaaga ctttctctc ctgc 84

<210> 90
 <211> 84
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 90
 caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caaraacttc 60

ttctggaaga ccttctctctc ctgc

84

<210> 91

<211> 84

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<221> modified_base

<222> (78)

<223> a, t, c, g, unknown or other

<400> 91

caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caggaacttc 60

ttctggaaga ccttcacntc ctgc

84

<210> 92

<211> 84

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<221> modified_base

<222> (78)

<223> a, t, c, g, unknown or other

<400> 92

caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caggaacttc 60

ttctggaaga ccttcacntc ctgc

84

<210> 93

<211> 84

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<221> modified_base

<222> (78)

<223> a, t, c, g, unknown or other

<400> 93

caggaaggcg cccccccca gcaatccgcg cgccgggaca gaatgccctg caaraacttc 60

ttctggaaga ccttcacntc ctgc

84

<210> 94
 <211> 84
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
 <221> modified_base
 <222> (78)
 <223> a, t, c, g, unknown or other

<400> 94
 caggaaggcg cccccccca gcaatctgcg cgccgggaca gaatgccctg caaraacttc 60
 ttctggaaga ccttcacntc ctgc 84

<210> 95
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 95
 ggtcgacctc agctaggatg ttccccaatg 30

<210> 96
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 96
 ggtcgacccg ggctcagagc gtcgtgat 28

<210> 97
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 97
 ggtcgacacc atggacatgg cggatgag 28

<210> 98
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 98
ggtcgacagt tcagatactg gtttgg 26

<210> 99
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 99
ggtcgacctc aaccatggac atgcttcac 30

<210> 100
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 100
ggtcgacttt ccccaggccc ctacaggta 29

<210> 101
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 101
ggctcgagtc accatgagcg ccccctcg 28

<210> 102
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 102
gggctcgagc tcctcagaag gtggtgg 27

<210> 103
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 103
ggtcgaccac catggagccc ctgttccc

28

<210> 104
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 104
ccgtcgacac tctcacagct tgctgg

26

<210> 105
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 105
acaagatgcc attgtccccc ggcctcct

28

<210> 106
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 106
ttcaggtctg taattaaact tgcgtga

27

<210> 107
<211> 368
<212> DNA
<213> Homo sapiens

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 107
 acaagatgcc attgtccccc ggctcctgc.tgctgctgct ctccggggcc acggccaccg 60
 ctgccctgcc cctggagggt ggccccaccg gccgagacag cgagcatatg caggaagcgg 120
 caggaataag gaaaagcagc ctctgactt tctcgcttg gtggtttgag tggacctccc 180
 aggccagtgc cgggccccctc ataggagagg aagctcgagg ggtggccagg cggcaggaag 240
 gcgcaccccc ccagcaatcc gcgcgccggg acagaatgcc ctgcaggaac ttcttctgga 300
 agaccttctc ctctgcaaa taaaacctca cccatgaatg ctcacgcaag tttaattaca 360
 gacctgaa 368

<210> 108
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (4) .. (318)

<400> 108
 aag atg cca ttg tcc ccc ggc ctc ctg ctg ctg ctg ctc tcc ggg gcc 48
 Met Pro Leu Ser Pro Gly Leu Leu Leu Leu Leu Leu Ser Gly Ala
 1 5 10 15
 acg gcc acc gct gcc ctg ccc ctg gag ggt ggc ccc acc ggc cga gac 96
 Thr Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp
 20 25 30
 agc gag cat atg cag gaa gcg gca gga ata agg aaa agc agc ctc ctg 144
 Ser Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu
 35 40 45
 act ttc ctc gct tgg tgg ttt gag tgg acc tcc cag gcc agt gcc ggg 192
 Thr Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly
 50 55 60
 ccc ctc ata gga gag gaa gct cgg gag gtg gcc agg cgg cag gaa ggc 240
 Pro Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly
 65 70 75
 gca ccc ccc cag caa tcc gcg cgc cgg gac aga atg ccc tgc agg aac 288
 Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn
 80 85 90 95
 ttc ttc tgg aag acc ttc tcc tcc tgc aaa taaaacctca cccatgaatg 338
 Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 100 105
 ctcacgcaag tttaattaca gacctgaa 366

<210> 109
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 109
 Met Pro Leu Ser Pro Gly Leu Leu Leu Leu Leu Ser Gly Ala Thr
 1 5 10 15
 Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser
 20 25 30
 Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
 35 40 45
 Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
 50 55 60
 Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
 65 70 75 80
 Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe
 85 90 95
 Phe Trp Lys Thr Phe Ser Ser Cys Lys
 100 105

<210> 110
 <211> 318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (1)..(315)

<400> 110
 atg cca ttg tcc ccc ggc ctc ctg ctg ctg ctg ctc tcc ggg gcc acg 48
 Met Pro Leu Ser Pro Gly Leu Leu Leu Leu Leu Leu Ser Gly Ala Thr
 1 5 10 15
 gcc acc gct gcc ctg ccc ctg gag ggt ggc ccc acc ggc cga gac agc 96
 Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser
 20 25 30
 gag cat atg cag gaa gcg gca gga ata agg aaa agc agc ctc ctg act 144
 Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
 35 40 45
 ttc ctc gct tgg tgg ttt gag tgg acc tcc cag gcc agt gcc ggg ccc 192
 Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
 50 55 60
 ctc ata gga gag gaa gct cgg gag gtg gcc agg cgg cag gaa ggc gca 240
 Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
 65 70 75 80

ccc ccc cag caa tct gcg cgc cgg gac aga atg ccc tgc agg aac ttc 288
Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe
85 90 95

ttc tgg aag acc ttc tcc tcc tgc aaa taa 318
Phe Trp Lys Thr Phe Ser Ser Cys Lys
100 105

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<210> 111
<211> 105
<212> PRT
<213> Homo sapiens
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<400> 111
Met Pro Leu Ser Pro Gly Leu Leu Leu Leu Leu Ser Gly Ala Thr
  1.                5                10                15

Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser
                20                25                30

Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
        35                40                45

Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
    50                55                60

Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
  65                70                75                80

Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe
                85                90                95

Phe Trp Lys Thr Phe Ser Ser Cys Lys
    100                105

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<210> 112
<211> 105
<212> PRT
<213> Homo sapiens
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<400> 112
Met Pro Leu Ser Pro Gly Arg Asp Ser Glu His Met Gln Glu Ala Ala
  1          5          10          15
Gly Ile Arg Lys Ser Ser Glu Ala Arg Glu Val Ala Arg Arg Gln Glu
          20          25          30
Gly Ala Pro Pro Gln Gln Ser Gly Leu Leu Leu Leu Leu Leu Ser Gly
          35          40          45
Ala Thr Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Leu Leu
          50          55          60
Thr Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly
  65          70          75          80

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Pro Leu Ile Gly Glu Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe
85 90 95

Phe Trp Lys Thr Phe Ser Ser Cys Lys
100 105

<210> 113

<211> 112

<212> PRT

<213> Rattus sp.

<400> 113

Met Gly Gly Cys Ser Thr Arg Gly Lys Arg Pro Ser Pro Thr Gly Gln
1 5 10 15

Asp Ser Val Gln Asp Ala Thr Gly Gly Arg Arg Thr Gly Gly Thr Pro
20 25 30

Glu Leu Ser Lys Arg Gln Glu Arg Pro Pro Leu Gln Gln Pro Ala Leu
35 40 45

Ser Leu Leu Leu Leu Leu Leu Ser Gly Ile Ala Ala Ser Ala Leu
50 55 60

Pro Leu Glu Ser Gly Leu Leu Thr Phe Leu Ala Trp Trp His Glu Trp
65 70 75 80

Ala Ser Gln Asp Ser Ser Ser Thr Ala Phe Glu Gly Pro His Arg Asp
85 90 95

Lys Lys Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
100 105 110

<210> 114

<211> 116

<212> PRT

<213> Rattus sp.

<400> 114

Met Leu Ser Cys Arg Leu Gln Cys Ala Leu Ala Ala Leu Cys Ile Val
1 5 10 15

Leu Ala Ala Thr Gly Lys Gln Glu Leu Ala Lys Tyr Phe Leu Ala Glu
20 25 30

Leu Leu Glu Met Arg Leu Glu Leu Gln Arg Ser Ala Asn Ser Asn Pro
35 40 45

Ala Met Ala Ala Leu Gly Gly Val Thr Gly Ala Pro Ser Asp Pro Arg
50 55 60

Leu Arg Gln Phe Leu Gln Lys Ser Leu Ala Ser Glu Pro Asn Gln Thr
65 70 75 80

Glu Asn Asp Ala Leu Glu Pro Glu Asp Leu Pro Gln Ala Ala Glu Gln
 85 90 95

Asp Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr
 100 105 110

Phe Thr Ser Cys
 115

<210> 115
 <211> 17
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Formula peptide

<220>
 <221> MISC_FEATURE
 <222> (1)
 <223> may or may not be present

<220>
 <221> MISC_FEATURE
 <222> (1-2)
 <223> may or may not be present

<220>
 <221> MISC_FEATURE
 <222> (1-3)
 <223> may or may not be present

<220>
 <221> MISC_FEATURE
 <222> (1-4)
 <223> may or may not be present

<220>
 <221> MISC_FEATURE
 <222> (6)
 <223> Arg or Lys

<220>
 <221> MISC_FEATURE
 <222> (14)
 <223> Ser or Thr

<220>
 <221> MISC_FEATURE
 <222> (17)
 <223> may or may not be present

<400> 115
 Asp Arg Met Pro Cys Xaa Asn Phe Phe Trp Lys Thr Phe Xaa Ser Cys
 1 5 10 15

Lys

<210> 116
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 116
 Asp Arg Met Pro Cys
 1 5

<210> 117
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 117
 Arg Met Pro Cys
 1

<210> 118
 <211> 14
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 118
 Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 1 5 10

<210> 119
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Asp(OcHex)

<220>
 <221> MOD_RES
 <222> (2)
 <223> Arg(Tos)

<220>
 <221> MOD_RES
 <222> (5)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES
 <222> (6)
 <223> Arg(Tos)

<220>
 <221> MOD_RES
 <222> (10)
 <223> Trp(CHO)

<220>
 <221> MOD_RES
 <222> (11)
 <223> Lys(Cl-Z)

<220>
 <221> MOD_RES
 <222> (12)
 <223> Thr(Bzl)

<220>
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 <222> (14)..(15)
 <223> Ser(Bzl)

<220>
 <221> MOD_RES
 <222> (16)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES
 <222> (17)
 <223> Lys(Cl-Z)

<400> 119
 Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys
 1 5 10 15

Lys

<210> 120
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (3)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES

<222> (4)
 <223> Arg(Tos)

<220>
 <221> MOD_RES
 <222> (8)
 <223> Trp(CHO)

<220>
 <221> MOD_RES
 <222> (9)
 <223> Lys(C1-Z)

<220>
 <221> MOD_RES
 <222> (10)
 <223> Thr(Bzl)

<220>
 <221> MOD_RES
 <222> (12)..(13)
 <223> Ser(Bzl)

<220>
 <221> MOD_RES
 <222> (14)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES
 <222> (15)
 <223> Lys(CL-Z)

<400> 120
 Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 1 5 10 15

<210> 121
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES
 <222> (2)
 <223> Arg(Tos)

<220>
 <221> MOD_RES

<222> (6)
 <223> Trp(CHO)

<220>
 <221> MOD_RES
 <222> (7)
 <223> Lys(CL-Z)

<220>
 <221> MOD_RES
 <222> (8)
 <223> Thr(Bzl)

<220>
 <221> MOD_RES
 <222> (10)..(11)
 <223> Ser(Bzl)

<220>
 <221> MOD_RES
 <222> (12)
 <223> Cys(MeBzl)

<220>
 <221> MOD_RES
 <222> (13)
 <223> Lys(CL-Z)

<400> 121
 Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
 1 5 10